PeerlessBoilers.com

BURNER SPEC & DATA SHEET

SERIES TC

BECKETT MODEL "CF" BURNER

FOR LIGHT OIL

STANDARD EQUIPMENT

CF1400 & CF2300 Burner:

1. Low-high-off operation with two-position air control.
2. Low fire hold switch.
3. Cadmium cell flame detector.
4. 15 second pre-purge/0 second post-purge.
5. 115 Volt/1 Phase/60 Hertz Voltage.

CF2500 and CF3500 Burner:

6. Low-high-off operation with two-position air control.
7. Low fire hold switch.
8. Ultraviolet flame detector.
9. 30 second pre-purge/15 second post-purge.
10. Air flow switch.
11. 230 Volt/1 Phase/ 60Hertz Voltage.

OPTIONAL EQUIPMENT

1. Control panel, burner or remote mounted, with on/off switch, control circuit fuse, and terminal strip. Also available are additional lights, alarm bell and step-down control circuit transformer.
2. Low-high-low burner operation.
3. Air flow switch (CF1400 and CF2300).
4. Various combustion controls. Contact your local Peerless Representative or Peerless Boilers for availability.

Beckett Model "CF" Burner For Light Oil

Boiler Model	I=B=R Input GPH (1)	overfire Pressure In. W.C. (2)	Burner Model	Standard Combustion Control	3450 RPM MOTOR HP	Standard Motor Voltage	Initial Setting (3)				
								Air Damper			
								Low Fire		High Fire	
							Head	Elec.	Mec.	Elec.	Mec.
TC-04	8.0	0.34	CF1400	R7184B	1/2	115/1/60	2	4.0	4.0	7.0	7.0
TC-05	10.4	0.35	CF1400	R7184B	1/2	115/1/60	4	4.0	4.0	9.0	9.0
TC-06	12.6	0.36	CF2300	R7184B	3/4	115/1/60	1-1/2	2.0	2.0	4.0	4.0
TC-07	15.0	0.37	CF2300	R7184B	3/4	115/1/60	3-1/2	3.0	3.0	5.5	5.5
TC-08	17.4	0.38	CF2300	R7184B	3/4	115/1/60	5	3.0	3.0	6.0	6.0
TC-09	19.6	0.39	CF2300	R7184B	3/4	115/1/60	3	3.0	3.0	7.0	7.0
TC-10	22.0	0.40	CF2500	RM7840M	2	230/1/60	6	1.0	1.0	4.0	4.0
TC-11	24.5	0.41	CF2500	RM7840M	2	230/1/60	8	1.5	1.5	9.0	9.0
TC-12	26.5	0.43	CF3500	RM7840M	2	230/1/60	7	1.5	1.5	9.0	9.0
TC-13	29.0	0.44	CF3500	RM7840M	2	230/1/60	7	5.0	5.0	10.0	10.0
TC-14	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
TC-15	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
TC-16	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
TC-17	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
TC-18	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

(1) Based on Commercial Standard Number 2 fuel oil with a heating value of 140,000 BTU/gal. at a maximum altitude of 2000 feet. Consult factory for higher altitudes.

(2) With 0.10 inch W.C. at flue outlet when firing at I=B=R Rated Input.

(3) Start-up settings only. Final settings are to be determined using combustion analysis equipment.

Boiler Model	Nozzles - Hago			Oil Pressure - PSIG		Standard Fuel Unit	
	Qty	GPH	Pattern	Low Fire	High Fire	Suntec	Gearset GPH (4)
TC-04	1	4.5	45P	150	300	B2TA-8851	33
TC-05	1	6.0	45P	150	300	B2TA-8851	33
TC-06	1	7.5	45P	150	300	B2TA-8852	39
TC-07	1	9.0	45P	150	300	B2TA-8852	39
TC-08	1	10.0	45P	150	300	B2TA-8852	39
TC-09	1	11.0	45P	150	300	B2TA-8852	39
TC-10	2	6.5	45P	300	300	H5PAN-C100H	79
TC-11	2	7.0	45P	300	300	H5PAN-C100H	79
TC-12	2	7.5	45P	300	300	H5PAN-C100H	79
TC-13	2	8.5	60P	300	300	H5PAN-C100H	79
TC-14	—	—	—	—	—	—	—
TC-15	—	—	—	—	—	—	—
TC-16	—	—	—	—	—	—	—
TC-17	—	—	—	—	—	—	—
TC-18	—	—	—	—	—	—	—

(4) For sizing filters, piping and remote pump sets. Not a U.L. nozzle rating.

PB HEAT, LLC

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BSDS-TC-BEK R2 (5/07-5C)
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